

ABSTRACT OF THE DISCLOSURE

A method and apparatus for creating a single digital image file from multiple digital images while minimizing cost, complexity, and/or size of the system. A single imaging station is used to generate a plurality of digital images from a medium, each digital image representing the same source image on the medium. The plurality of digital images are combined to create a single digital image which represents the source image. In one exemplary embodiment, the medium is moved a plurality of times in a continuous unidirectional path through the imaging station to create the digital images. The medium can be applied to a transport structure, such as a wheel, which can be rotated to recirculate the medium through the imaging station. The medium can comprise developing film, and the imaging station can comprise a front source, a front sensor, a back source, and a back sensor.

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